CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1539246 (34186) **Master Contract:** 155560

Project: 1932631 **Date Issued:** 2007/07/11

Issued to: **Rosemount Analytical Inc.**

Uniloc Division
2400 Barranca Pky
Irvine, CA 92606
USA
Attention: Jerry Flock

The products listed below are eligible to bear the CSA Mark shown

Issued by: Wesley Van Hill, C.E.T.

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III

2-wire transmitters, HART Protocol:

CSA INTERNATIONAL

Certificate: 1539246 (34186) **Master Contract:** 155560

Project: 1932631 **Date Issued:** 2007/07/11

Models Xmt-A-HT, Xmt-P-HT, Xmt-C-HT and Xmt-T-HT; rated 42.4 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C; Intrinsically safe when connected per installation instruction No 1400251, 1400255, 1400259, 1400263

Input, all transmitters, Vmax = 30V, Imax = 200mA, Pmax = 0.9W, Ci = 0nF, Li = 0uH

Output, Model Xmt-A/pH-HT, Voc = 12.9V, Isc = 86.5mA, Pmax = 169.4mW, Ca = 1uF, La = 5mH

Output, Model Xmt-C-HT, Voc= 7.2V, Isc = 221mA, Pmax = 279.5mW, Ca = 13uF, La = 800uH

2-wire transmitters, Foundation Fieldbus:

Models Xmt-A-FF, Xmt-P-FF, Xmt-C-FF and Xmt-T-FF; rated 9-32 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C; Intrinsically safe when connected per installation instruction No 1400252, 1400256, 1400260, 1400264

Entity Parameters,

Vmax = 30V, Imax = 300mA, Pmax = 1.3W, Ci = 0.4nF, Li = 0uH

Output, Model Xmt-A/P-FF,

Vt = 13.03V

It = 157.17mA

Po = 511.59mW

Ca = 964.5nF Groups A/B

Ca = 5.99mF Groups C/D

Ca = 21.69mF Group D

La = 974mH Groups A/B

La = 2.974mH Groups C/D

La = 7.97mH Groups D

Output, Model Xmt-C-FF,

Vt = 7.71V

It = 174.42mA

Po = 336.19mW

Ca = 850nF Groups A/B

Ca = 128mF Groups C/D

Ca = 9978mF Group D

La = 865mH Groups A/B

La = 2.66mH Groups C/D

La = 7.16mH Groups D

2-wire transmitters, Fieldbus Intrinsic Safety Concept (FISCO):

Models Xmt-A-FI, Xmt-P-FI, Xmt-C-FI and Xmt-T-FI; rated 9-17.5 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C; Intrinsically safe when connected per installation instruction No 1400303, 1400304, 140005, 1400306

Entity Parameters,

Vmax = 17.5V, Imax = 380mA, Pmax = 5.32W, Ci = 0.4nF, Li = 0uH

Output, Model Xmt-A/P-FI,

Vt = 13.03V

It = 64.15mA

Po = 208.96mW

Ca = 964.5nF Groups A/B

Ca = 5.99mF Groups C/D

Ca = 21.69mF Group D

La = 7.97mH Groups A/B

La = 29.97mH Groups C/D

La = 59.97mH Groups D

Output, Model Xmt-C-FI,

Vt = 7.71V

It = 64.15mA

CSA INTERNATIONAL

Certificate:	1539246 (34186)	**Master Contract:**	155560
Project:	1932631	**Date Issued:**	2007/07/11

Po = 123.65mW

Ca = 850nF Groups A/B

Ca = 128mF Groups C/D

Ca = 9978mF Group D

La = 7.965mH Groups A/B

La = 29.965mH Groups C/D

La = 59.965mH Groups D

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Division 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class III

HART:

Models Xmt-A-HT, Xmt-P-HT, Xmt-C-HT and Xmt-T-HT; rated 42.4 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C.

Fieldbus Foundation:

Models Xmt-A-FF, Xmt-P-FF, Xmt-C-FF and Xmt-T-FF; rated 9-32 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C.

Fieldbus Intrinsically Safe Concept:

Models Xmt-A-FI, Xmt-P-FI, Xmt-C-FI and Xmt-T-FI; rated 9-17.5 Vdc max, output 4-20mA; CSA Enclosure Type 4X; Temp code T4; Maximum ambient 50°C.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II

CSA Standard C22.2 No.0.4-M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding)

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures

CSA INTERNATIONAL

Certificate:	1539246 (34186)	**Master Contract:**	155560
Project:	1932631	**Date Issued:**	2007/07/11

CSA Standard C22.2 No.142-M1987 – Process Control Equipment

CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1539246 **Master Contract:** 155560

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1932631	2007/07/11	Update Report 1539246 to invlude alternate Fieldbus Digital Communication Card (Intrinsically Safe)
1794325	2006/06/10	Update Report 1539246; revised pwb layout, repostion of connector, JP-3(Replace Figures 58, 59, 61 and 82).
1768366	2006/05/15	Update Report 1539246 to include new LCD Display.
1617418	2005/06/06	Update Report 1539246 include Models XMT-x-FF and XMT-x-FI
1617421	2005/04/22	Update Report 1539246, include sensors Model 242 (3" – 4") for use with Transmitter Model Xmt-T-HT
1596387	2005/04/06	Update Report 1539246, include alternative enclosure material, GE Plastics, Type EXL9330
1539246	2004/07/21	Certification of Xmt-HT Transmiter (I.S. Gr A-G; NI Gr A-D; DIP Groups E-G, Class III) Similar to already-approved 5081-HT